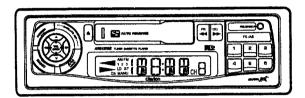
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# **Service Manual**



FM-MPX/MW/LW Radio Cassette Combination

## Model ARBI370E

(PE-1537E-A/Illumination:Amber) (PE-1537E-B/Illumination:Green)

## **■**SPECIFICATIONS

#### Radio section

Tuning system:

PLL synthesizer tuner

Receiving frequencies:

FM:87.5 to 108MHz(0.05MHz

steps)

MW:531 to 1,602kHz(9kHz steps) LW:153 to 279kHz(3kHz steps)

#### Tape deck section

Cassette type:

Compact audio cassette

Playback system:

Auto reversing 4-track,2-channel

stereo cassette tape playback (monaural playback also possible)

Frequency response: 30 to 15kHz±3dB

Wow & flutter(WRMS):

0.1%

S/N ratio:

120 μs(normal):53dB

Tape types:

Normal

#### General

Max.power output:

4×30W

Effective power output(1%THD):

4×14W

Power supply voltage:

DC 14V(10.8 to 15.6V allowable)

Auto antenna rated current:

0.5A or less

Dimensions(mm):

178(W)×50(H)×152(D)

Weight:

1.3kg

Specifications and design are subject to change without notice for further improvement.

### ■COMPONENTS

#### PE-1537E-A/PE-1537E-B

Main unit		1
Mounting bracket	300-9677-00	-1
Parts bag		1
Hook plate	331-0488-0€	2
Spacer	345-3653-01	1
Screw	716-0726-01	1

#### ■ FEATURES

- 1. Electronic Quartz-locked PLL tuning
- 2. 24 presets(18FM,6MW/LW)
- 3. Preset scan(PS)
- 4. Auto store(AS)
- 5. Double-gutter hard permalloy head
- 6. High power 4×30W max.
- Electronic controls(Volume/bass/tretle/balance/ fader)
- 8. Audio muting
- 9. Partially-detachable control panel

## ■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

- Place the parts and wiring back in their original positions after replacement or re-wiring.
  - For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection. If extended damage is caused due to negligence durates the statement of the state
  - If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
- 3. Check for safety after repair.
  - Check that the screws,parts and wires are put back securely in their original position after repair.Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
  - If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
- 4. Caution in removal and making wiring connection to the parts for the automobile.
  - Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
- 5. Cautions regarding chips.
  - Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc.). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
- 6. Cautions in handling flexible PWB
  Before working with a soldering iron,make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly(more than three times) to the same patterns. Also take care not to apply the tip with force.
- Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

## ■NOTES

For VW and Audi vehicles, change the position of fuse installation as shown on the diagram. (Fig. 1)

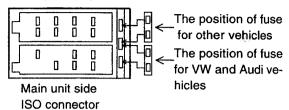


Fig.1

- Short-circuiting the power antenna terminal or using a power antenna with a current exceeding the rated current can damage internal circuits. Always use with the rated current.
- The DCP can easily be damaged by shocks. After removing it, be careful not to drop it or subject it to strong shocks.
- When the release button is pressed and the DCP is unlocked, the car's vibration may cause it to fall.

## ■EXPLANATION OF IC

■LC72323A-9281 052-1909-00 System Controller

Outward Form

80 pins, plastic QFP

Terminal Description

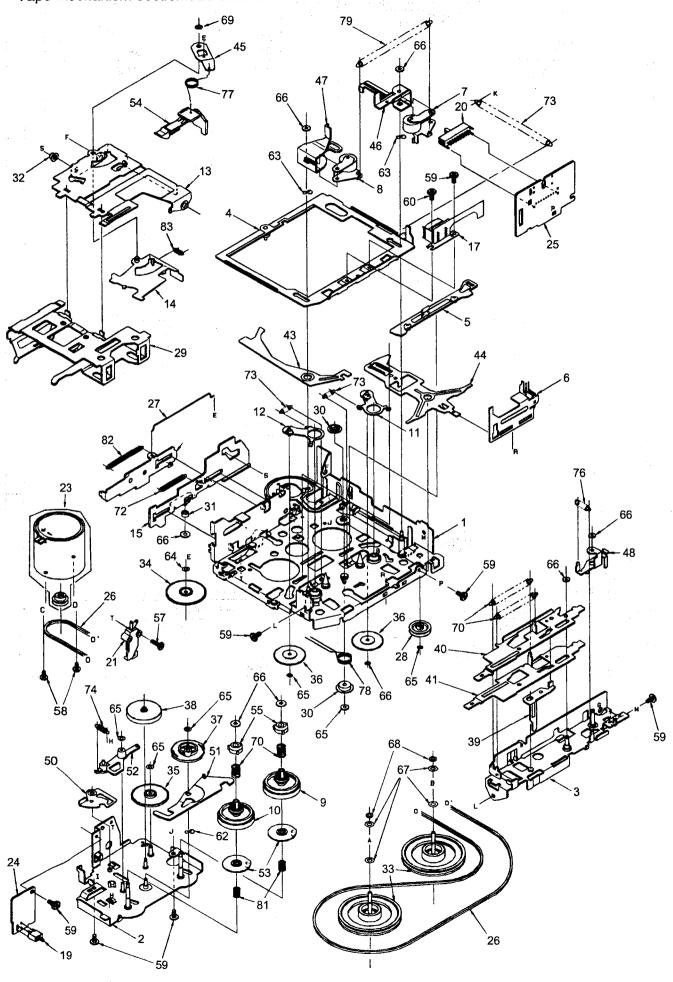
Ter	minal Description		
No.	Symbol	I/O	Function
1	X' TAL IN	I	Connects X-TAL 4.5 MHZ
2	N.C.	-	N.C. (OPEN)
3	FM ST IND	I	Inputs Low in FM
4	AM SD	I	Detects AM signal
5	FM SD	I	Detects FM signal
6	SEL 3	1	N.C. (GND)
7	FM +B	0	Outputs Low in FM +B
8	AM +B	0	Outputs Low in AM +B
9	A MUTE	0	Outputs Low in AUDIO MUTE ON
10	FM DX/LO	0	Outputs Hi in FM DX
11	N.C.	I	N.C. (GND)
<u> </u>	TAPE	I	
12		1	Inputs Low in TAPE mode Inputs Low in TAPE mode, FOR . Inputs Hi in TAPE
13	FOR/REV	1	mode, REV.
14	FF/REV	I	Inputs Low in TAPE mode, FF/REW
15	N.C.	0	Not in use
16	LW/MW	0	LW BAND="HI"
17	AM DX/LO	0	AM DX="LO"
18	N.C.	0	N.C. (OPEN)
19	E-DO	0	Outputs DATA for E-VOL
20	E-CLK	0	Outputs E-VOL for CLOCK
21	REM +5	0	Inputs Low when REM+ 5V is ON
22	IF REQ	0	Inputs Hi in RADIO SEEK
23	N.C.	0	N.C. (OPEN)
24	REM +B	0	Outputs Hi in REM +14V ON
25 26	N.C.	0	N.C. (OPEN)
27	KS 3	-	
28	KS 2 KS 1	0	Key scan output
29 30	KS 0		
31	VDD	_	VDD 5V power supply
32 33	KI 3 KI 2		
34	KI I	I	Key scan input
35	N.C.	0	
37	N.C.	<u> </u>	N.C. (OPEN)
38	LCD SEGMENT	0	Outputs LCD segment control
63	ECD GEOMESTI	<u> </u>	Superior Sup
64	COM 2	0	Displays COM2 on LCD
65	COM 1	0	Displays COM1 on LCD
66	SEL 2	I	N.C. (GND)
67	HOLD	I	Inputs Hi in ACC ON
68	RES	I	Connects VDD
69	SEL 1	I	Setup terminal
70	FM IF IN	I	Inputs FM IF
71	AM IF IN	ı	Inputs AM IF
72	SNS	I	Inputs RESET circuit
73	VDD	-	VDD 5V power supply
74	FM OSC	Ĭ	Inputs FM OSC
L	L		L

No.	Symbol	I/O	Function
75	AM OSC	I	Inputs AM OSC
76	vss	T -	Connects GND
77	EO I	0	Outputs for phase modulator
78	EO 2	0	N.C. (OPEN)
79	TEST 1	ĭ	N.C. (GND)
80	X' TAL OUT	I	Connects X-TAL 4.5 MHZ

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	940-1827A	ESCUTCHEON-ASSY(AMBER)	1	3	750-3137-00	SPRING	2
4.4	940-1828A	ESCUTCHEON-ASSY(GRN)	1	4	714-5008-41	MACHINE SCREW	2
1-1	940-1791A	DCP-ASSY		5	311-1697-02	LOWER CASE	1
1-2	013-6002-50	SWITCH	6	6	714-3005-80	MACHINE SCREW	16
1-3	013-7000-01	SWITCH	1	7	331-0604-00	MECHA BRKT	1
1-4	335-5358-00	ILLUMI PLATE	1	8	382-4464-00	BUTTON(FF)	1
1-5	382-4472-00	BUTTON(P-OUT)	1	9	382-4465-00	BUTTON(REW)	1
1-6	750-3221-00	SPRING(P-OUT)	1	10	335-5300-00	SPACER(FF/REW)	2
1-7	335-5313-00	HOOK	1	11	382-4467-00	BUTTON(EJ)	1
1-8	750-3220-00	SPRING(P-HOOK)	1	12	716-1719-00	SCREW	1
1-9	750-3217-00	SPRING	1	13	930-0727-80	TAPE-MECHANISM(TOM-2)	1
1-10	382-4397-20	BUTTON(A-M)	1	14	310-1571-00	UPPER CASE	1
1-11	335-5297-00	JOG PLATE	1	15	290-6495-01	LABEL(AMBER)	1
1-12	335-5290-00	ILLUMI PLATE	1		290-6495-00	LABEL(GRN)	1 1
1-13	370-5647-00	ESCUTCHEON	1	16	060-0057-56	AUTO-FUSE(10A)	1
1-14	320-0526-27	DUSTPROOF-CVR	1	17	714-2610-10	MACHINE SCREW	1
1-15	382-4395-20	BUTTON(BAND)	1	18	074-1115-11	OUTLET SOCKET	1 1
1-16	382-4393-21	BUTTON(POWER)	1	19	331-1856-20	CONNECT HOLDER	1. 1
1-17	380-5394-20	KNOB(VOL)	1	20	370-5656-01	OUTER-ESCUTCHEON	1
1-18	335-5298-00	JOG ARM	1	21	039-0841-00	CONNECT PWB	1
1-19	345-7818-00	SPONGE(L)	1	22	017-9001-01	PILOT-LAMP	2
1-20	335-5307-00	ILLUMI PLATE(L)	1	23	039-0839-01	MAIN PWB	1
1-21	716-0778-00	WAVE SCREW	9	25	331-0613-00	IC-HOLDER	1
1-22	331-2003-00	HOOK PLATE	1	26	313-1616-00	HEAT SINK	1
1-23	345-7898-00	SPACER	2	27	714-3010-80	MACHINE SCREW	3
1-24	347-5438-00	SHADE	1	28	051-2009-00	IC(TDA8561Q)	2
1-25	331-2136-00	EARTH PLATE	1	29	092-9000-01	ANT-RECEPTACLE	1
1-26	347-5437-00	DOUBLF FACE	1	30	331-0643-00	EARTH PLATE	1
1-27	345-4441-58 345-2830-20	LAMP CAP(AMBER) LAMP CAP(GRN)	3	31	880-2079C	FM/MW/LW TUNER	1
1-28	· · · · · · · · · · · · · · · · · · ·	PILOTLAMP	3	32	345-3436-64 345-3436-13	LAMP CAP(AMBER) LAMP CAP(GRN)	2 2
1-29	013-3812-11	SWITCH	8	. 33	335-5310-00	LCD HOLDER	1
1-30	039-0851-00	SWITCH P.W.B	1	34	347-5368-00	FILM	1
1-31	039-0851-00	SWITCH P.W.B	1	35	347-5367-00	SHADE	1
1-32	716-0872-00	PAD SCREW	2	36	379-1070-21	INDICATOR	1
2	286-8681-00	SETPLATE	1	37	331-2000-00	LCD COVER	1

## ■EXPLODED VIEW · PARTS LIST

Tape mechanism section:930-0727-80



NC	DADTNO	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
NO. 1	960-4421-00	DECK ASS'Y	1	42	630-2445-01		1
2	960-4424-00		1	43	630-2499-01		
3	960-4182-04		1	44	630-2501-02		1
4	960-4423-00	HEAD-P-ASS'Y	1	45	630-2419-02	SWING ARM	1
 5	960-4186-02	FF-REW-P-ASS'Y	1	46	630-2505-02	FF-REW LINK	1
<u>6</u>	960-4427-00		1	47	630-2506-05	RELEASE LINK	1
7	1	ROLLER ASS'Y F	1	48	630-2507-04	LOCK LINK	1
8	960-4189-03	ROLLER ASS'Y R	1	50	630-2529-02	MUTE PLATE	1
9	960-4190-09	REEL ASS'Y F	1	51	631-1958-05	CHECK LINK	1
10	960-4191-09	REEL ASS'Y R	1	52	631-1959-01	CHANGE LINK	1
11	960-4192-02	IDLER ASS'Y F	1	53	631-1961-03	CHECK PLATE	2
12	960-4193-02	IDLER ASS'Y R	1	54	631-0658-01	PACK STOPPER	1
13	960-4422-00	GUIDE ARM ASS'Y	1	55	631-1967-00	SLIDE BUSH	2
14	960-4141-04	OFF ARM ASS'Y	1	57	714-2008-81	MACHINE SCREW	1
15	960-4425-00	EJECT P-ASS'Y	1	58	716-0484-02	SCREW	2
17	011-0313-15	HEAD	1	59	716-1471-00	S-TIGHT	7
19	013-3906-00	SWITCH	1	60	716-1473-01	HEAD SCREW	1
20	013-3922-00	SWITCH	1	62	745-0752-00	PLATE SPRING	1
21	013-3924-00	SWITCH	1	63	745-0756-00	SPRING WASHER	2
23	SMA-141-100	DC MOTOR ASS'Y	1	64	746-0712-03	WASHER	1
24	039-0726-00	PWB	1	65	746-0724-00	WASHER	6
25	099-9669-00	PWB	1	66	746-0768-00	WASHER	8
26	602-0115-00	BELT	1	67	746-0839-00	CAPSTAN WASHER	4
27	750-2860-01	ROD SPRING	1	68	746-0869-00	WASHER	2
28	604-0042-01	TENSION PULLEY	1	69	746-0622-01	WASHER	1
29	606-0100-05	PACK GUIDE	1	70	750-2564-01	SLIDE SPRING	2
30	610-0334-01	HEAD ROLLER B	1	71	750-2904-02	FF-REW SPRING	2
31	610-0363-00	EJECT P-ROLLER	1	72	750-2858-01	EJECT P-SPRING	1
32	610-0337-00	GUIDE A-ROLLER	1	73	750-2906-00	IDLER SPRING	2
33	611-0090-04	FLYWHEEL	2	74	750-2907-03	CHANGE L-SPRING	1
34	613-0272-10	GEAR A	1	75	750-2908-02	HEAD SPRING	1
35	613-0273-02	GEAR B	1	76	750-2909-04	ROD SPRING	1
36	613-0274-02	IDLER GEAR	2	77	750-2861-01	SLOT-IN SPRING	1
37	613-0275-03	CHANGE GEAR	1	78	750-2911-01	HOLDING SPRING	1
38	613-0277-02	CHECK GAER	1	79	750-2912-01	PINCH SPRING	1
39	630-2488-02	SELECT LEVER	1	81	750-2919-03	CHECK SPRING-R	2
40	630-2497-03	FF LEVER	1	82	750-2857-02	EJECT L-SPRING	1
41	630-2496-03	REW LEVER	1	83	750-2859-00	OFF ARM SPRING	1

# ■ELECTRICAL PARTS LIST Main PWB

Note) Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

<u></u>		D 4 D 27 A 1	DESCRIPTION	D	- N.I.	DADT No	DECCRIPTION	REF	No	PART No.	DESCRIPTION
			DESCRIPTION	REF			DESCRIPTION				DESCRIPTION
C	101	176-1801-00	50V 18pF CH	С		9	25V 0.022 μF	Q		191-1243-00	
IC .	102	178-1032-05	50V 0.01 μF	C	616	042-9003-00	10V 100 μF				1/10W 2.2kΩ
C	103	178-1032-05	50V 0.01 μF	C	617	184-1073-22	10V 100 μF	R	102	111-6821-91	1/4WSS 6.8kΩ
C	104	042-9003-00	10V 100 µF	c	618	171-2233-06	25V 0.022 μF	<b>I</b> R	103	117-1831-10	1/10W 18kΩ
c		1	25V 0.033 μF	C		180-2253-63		lR	104	117-5631-10	1/10W 56kΩ
Ľ			25V 0.033 μF	c		180-1063-53		R			1/4WSS 39kΩ
C		ſ				i ·		R			1/10W 2.2kΩ
000		178-1045-06		C		184-4763-52					
C			25V 0.047 μF	C		184-2273-22		R			1/4WSS 10kΩ
C	109	178-1045-06	25V 0.1 μF	C	705	178-1022-05	50V 1000pF	R	108	117-1031-10	1/10W 10kΩ
	110	180-2243-63	50V 0.22 μF	C	706	178-1022-05	50V 1000pF	R	109	117-2231-10	1/10W 22kΩ
000		042-9003-00		c	708	178-1032-05	50V 0.01 µF	R	201	117-2231-10	1/10W 22kΩ
K			25V 0.022 μF	C		042-9002-01		R		117-2231-10	I I
				1		042-9002-04		R		117-1011-10	I I
C		042-9003-00		C			, , , , , , , , , , , , , , , , , , ,	1			1
С	114	178-1032-05	50V 0.01 μF	С	711	178-1032-05	i i	R		117-1011-10	
C	115	178-1032-05	50V 0.01 μF	C	712	178-2222-05	50V 2200pF	R	205	117-1241-10	1/10W 120kΩ
C	201	178-1022-05	50V 1000pF	CN	101	074-1115-11		R	206	117-1241-10	1/10W 120kΩ
C	202	178-1022-05		CN	102	076-9000-10		R	207	117-4721-10	1/10W 4.7kΩ
c		042-9002-04		CN	103	076-9000-08	l l	R	208	117-4721-10	1/10W 4.7kΩ
		<b>;</b>	i	1		076-9000-05	]	R			1/10W 2.2kΩ
C		042-9002-04		CN	104	1					
C		184-1073-22	, ,	CN	105	076-9000-03		R		117-1231-10	
C	206	184-1073-22	10V 100 μF	D	101	001-0330-00	1SS119	R	403	117-6821-10	1/10W 6.8kΩ
C	207	178-2732-05	25V 0.027 μF	D	102	001-0346-69	MTZ 18JB	R	404	117-6821-10	1/10W 6.8kΩ
lc	208	178-2732-05	25V 0.027 μF	D	103	001-0346-69	MTZ 18JB	R	405	117-1231-10	1/10W 12kΩ
C C	401	182-2253-63		D	104	001-0330-00	188119	R			1/10W 2.2kΩ
٦		182-1053-63	1 '	D		001-0346-33	l I	R		117-6831-10	i i
C		į.	1				1	R			
C	403	182-1053-63	1	P	602	001-0330-00		1		I	1/10W 6.8kΩ
lc		182-2253-63	1	P		001-0330-00		R		117-4731-10	. 1
C	405	182-4753-63	50V 4.7 μF	P	604	001-0330-00	1SS119	R			1/4WSS 4.7kΩ
CC	406	176-1511-00	50V 150pF CH	D	605	001-0330-00	188119	R	411	111-4721-91	1/4WSS 4.7kΩ
lc	407	176-5601-00		D	606	001-0330-00	188119	R	412	117-4731-10	1/10W 47kΩ
c			25V 0.082 μF	D		001-0330-00	1	R		117-6831-10	
C	409	182-2253-63	·	D	608	001-0330-00		R			1/10W 6.8kΩ
Ľ			'	1		l .	1 1	R		1	1
C	410	182-2263-33		P		001-0188-01	1			1	1/4WSS 1.2kΩ
C	411	178-5632-05	25V 0.056 μF	Þ		001-0346-46	M1Z 9.1 JA	<b>J</b> R	502	111-4721-91	1/4WSS 4.7kΩ
C	412	178-5622-05	50V 5600pF	<b>D</b>	703	001-0346-48	MTZ 9.1 JC	R	503	111-4721-91	1/4WSS 4.7kΩ
C.	413	178-5622-05	50V 5600pF	D	704	001-0330-00	1SS119	R	504	111-4721-91	1/4WSS 4.7kΩ
C	414	182-1063-33	16V 10 µF	Ь	705	001-0330-00	188119	R	505	111-4721-91	1/4WSS 4.7kΩ
C	415	182-4763-33		D	706	001-0330-00	l	R			1/4WSS 15kΩ
C		182-4763-33		Б	707	001-0330-00	f I	R			1/10W 4.7kΩ
Ľ								1			
C		182-1063-33	1 1	IC		051-0272-00	;	R			1/4WSS 4.7kΩ
C	418	178-5622-05		IC	401	051-5008-00	l :	R		l	1/4WSS 22kΩ
C	419	178-5622-05	50V 5600pF	IC	501	051-2009-00	TDA8561Q	R	605	111-4731-91	1/4WSS 47kΩ
C	420	178-5632-05	25V 0.056 μF	IC	502	051-2009-00	TDA8561Q	R	606	117-2231-10	1/10W 10kΩ
		182-2263-33		lic	601	052-1909-00	LC72323A-9281	R		ł	1/4WSS 22kΩ
C		182-2253-63		1		010-9000-05		R		1	1/4WSS 47kΩ
12			25V 0.082 μF	ļ		010-9009-50		R			
				Ľ							1/4WSS 22kΩ
10		176-5601-00		ļ.		010-9000-05		R			1/4WSS 10kΩ
C			50V 150pF CH	L		010-9009-01		R	611	111-1031-91	1/4WSS 10kΩ
C	426	182-4753-63	50V 4.7 μF	L	601	010-9000-02	220 μ H	R	612	111-6831-91	1/4WSS 68kΩ
lc	427	178-4732-05	25V 0.047 μF	L	701	009-9006-50		R	613	117-1031-10	1/10W 10kΩ
lc i	501	171-2233-06	25V 0.022 μF	L	702	010-9000-01	120 µH	R	614	117-2231-10	1/10W 22kQ
			50V 0.47 μF	PL		017-9001-01		R		1	1/10W 22kΩ
Ľ		j .				ł	1	R			
5		1	50V 0.47 μF	PL		017-9001-01					1/10W 10kΩ
ľ		1	50V 0.47 μF	Q		193-1858-00		R		117-1031-10	
C			50V 0.47 μF	Q	602	125-0003-02		R		117-1031-10	
C	506	173-1042-10	50V 0.1 μF	Q	701	193-1858-00	2SD1858	R	619	117-1031-10	1/10W 10kΩ
lc			16V 2200 μF	Q	702	193-1858-00	2SD1858	lR	701	111-1021-91	1/4WSS 1kΩ
lc			50V 1000pF	Q	703	125-2003-02	1	R		l	1/2WSS 470 Ω
Ĭ.	601	180-1063-53		Q	703	191-1243-00		R			
C		1	1 '			1		R			1/4WSS 2.7Ω
	602		10V 220 μF	Q	704	125-2003-02	1	1			1/4WSS 2.7Ω
C	603	li .	50V 1000pF	Q	705	193-1858-00	1	R	705	111-2221-91	1/4WSS 2.2kΩ
C	604	178-1022-05	50V 1000pF	Q	706	193-1858-00	2SD1858	R	706	111-4721-91	1/4WSS 4.7kΩ
C	605	176-3301-00	50V 33pF CH	Q	707	125-2003-02	RN1202	R	707	111-3331-91	1/4WSS 33kΩ
lc	606	1	50V 33pF CH	Q	708	102-2458-00	1	R			1/4WSS 10kΩ
lc.	607	182-4763-33		ã	709	100-1548-00	3 E	R			1/4WSS 2.2kΩ
ĬĞ	608	1		Q	710	100-1548-00	1	R			1
5			50V 0.01 μF			1				i	1/2WSS 470 Ω
			50V 100pF CH	Q	711	l .	2SC2458 GR	R		111-1091-91	1
lc.			50V 100pF CH	Q	712		2SC2458 GR	R		111-1091-91	1/4WSS 1 Ω
C	611	182-1053-63		Q	714	100-1048-00	2SA1048	R	713	111-1021-91	1/4WSS 1kΩ
	612	160-1012-05		Q	715	125-2003-02	RN1202	R	714		1/4WSS 22kΩ
lc		160-1012-05		Q	716	125-2003-02		R			1/4WSS 10kΩ
C			5 50V 0.01 μF	a		102-2458-00		R		1	1/4WSS 10kΩ
<u> </u>		1		<u> </u>		1.02 2-00-00	1-30-,00	<u> </u>		1, 1, 1001-91	1, 777 CO TOR M

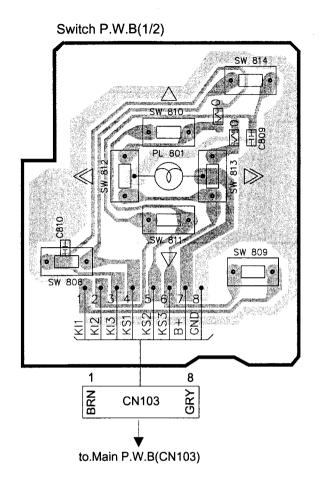
RE	F No.	PART No.	DESCRIPTION	REI	F No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION
R	717	111-2221-91	1/4WSS 2.2kΩ	R	724	111-1591-91	1/4WSS 1.5 Ω	R	731	111-4711-81	1/2WSS 470 Ω
R	718	111-1031-91	1/4WSS 10kΩ	R	725	111-1591-91	1/4WSS 1.5Ω	R	732	111-1031-91	1/4WSS 10kΩ
R	719	111-2221-91	1/4WSS 2.2kΩ	R	726	111-1591-91	1/4WSS 1.5Ω	R	733	111-1031-91	1/4WS\$ 10kΩ
R	720	111-1021-91	1/4WSS 1kΩ	R	727	111-1031-91	1/4WSS 10kΩ	R	734	111-2221-91	1/4WSS 2.2kΩ
R	721	117-1021-10	1/10W 1kΩ	R	728	111-2221-91	1/4WSS 2.2kΩ	X	701	061-9000-50	4.5MHz
R	722	111-4721-91	1/4WSS 4.7kΩ	R	729	111-1031-91	1/4WSS 10kΩ	Ш		· ·	
R	723	111-1591-91	1/4WSS 1.5Ω	R	730	111-1031-91	1/4WSS 10kΩ				

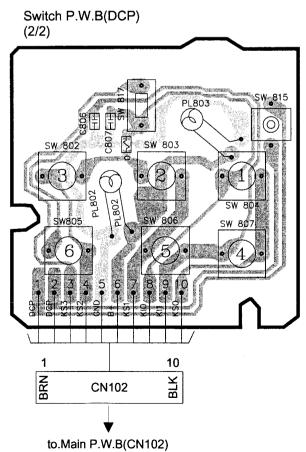
## Switch PWB

RE	F No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION
С	806	176-3311-00	50V 330pF	PL	803	017-0410-00	14V 40mA	SW	809	013-3812-11	
C	807	176-3311-00	50V 330pF	SW	802	013-6002-50		sw	810	013-3812-11	
C	809	176-3311-00	50V 330pF	sw	803	013-6002-50		sw	811	013-3812-11	
C	810	176-3311-00	50V 330pF	sw	804	013-6002-50		sw	812	013-3812-11	
CN	101	854-4236-00	·	sw	805	013-6002-50		sw	813	013-3812-11	
CN	102	854-4235-00		sw	806	013-6002-50		sw	814	013-3812-11	
PL	801	017-0410-00	14V 40mA	sw	807	013-6002-50		sw	815	013-7000-01	
PL	802	017-0410-00	14V 40mA	sw	808	013-3812-11		sw	817	013-3812-11	

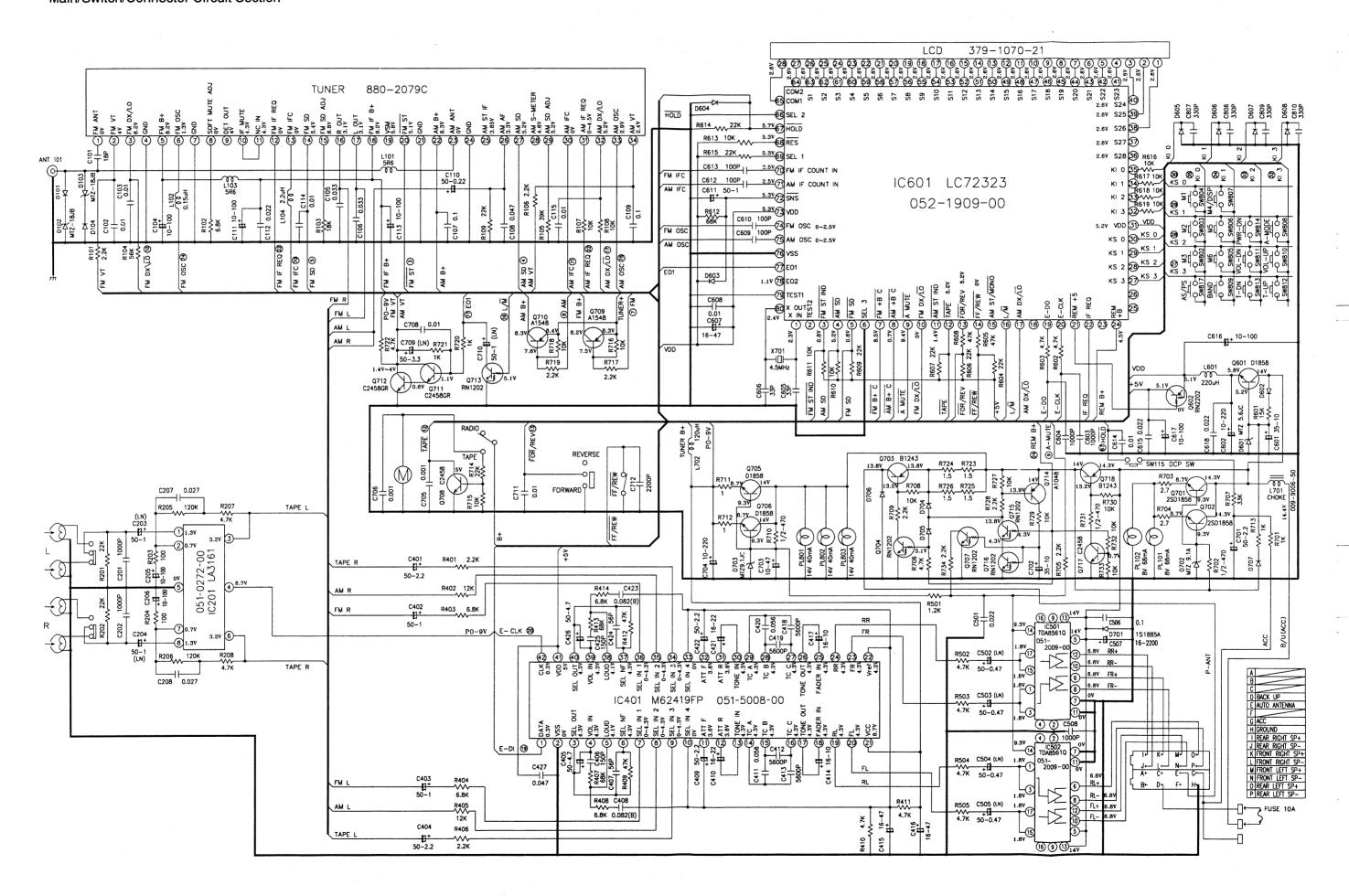
## **■ PRINTED WIRING BOARD**

Switch P.W.B section





## ■ CIRCUIT DIAGRAM Main/Switch/Connector Circuit Section



-11- ARB1370E ARB1370E -12-

**■ PRINTED WIRING BOARD** ISO 16P CONNECTOR Main/Connector P.W.B Section Connector P.W.B J[ L[ N[ P[ A C E G G | ACC(B/U H | GROUND I | RR | ⊕ J | RR | ⊕ K | FR | ⊕ L | FR | ⊕ N | FL | ⊕ N | FL | ⊕ O | RL | ⊕ P | RL | ⊕ B[ D[ F[ H[ for VW and Audi vehicles for Other vehicles -Main P.W.B 092-9000-01 QIC 501 502 L701 717707 718 714 705 201 MOTOR 706 703704 816-2314-00 20 2NN **@** 709 601 4 YEL 710 3 ORG 2RED 602 <sup>1</sup>BRN FF/REW SW.
TOM2-DC MECHANISM
(930-0727-80) 708 712711 701702 713 from Switch P.W.B(DCP) from Switch P.W.B(1/2) (2/2) EARTH PLATE 

ARR1370E

ARB1370E